

Appl. No.: 09/611,920
Amdt. dated March 10, 2004
Reply to Office Action of December 18, 2003

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method for accessing a directory server, the method comprising:

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| ~~establishing simultaneously maintaining~~ a first plurality of connections
 between the directory server and a caching daemon;
 determining if an application is requesting information from the directory
 server;
 determining if the requested information is stored in the caching daemon in
 response to determining that the application has requested
 information; and
 sending the requested information to the application.

2. (Original) The method of claim 1, wherein determining if an application is requesting information from the directory server further comprises:

 establishing a second connection between the application and the caching
 daemon; and
 receiving a request for information from the application over the second
 connection at the caching daemon.

3. (Original) The method of claim 1, further comprising:

 retrieving the requested information from the caching daemon in response
 to determining that the caching daemon has the information stored
 therein.

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4. (Original) The method of claim 1, further comprising:
retrieving the requested information from the directory server in response
to determining that the caching daemon has not previously stored
the information.
 5. (Original) The method of claim 4, further comprising:
storing the information retrieved from the directory server at the caching
daemon.
 6. (Currently amended) An apparatus, comprising:
a directory server for storing information; and
a caching daemon ~~adapted to establish a first~~ maintaining a plurality of
connections to the directory server, the caching daemon configured
to determine if an application is requesting information from the
directory server, determine if the requested information is stored
within the caching daemon; and send the requested information to
the application.
 7. (Original) The apparatus of claim 6, wherein the caching daemon is
further adapted to establish a second connection with the application and receive
a request for information from the application over the second connection.
 8. (Original) The apparatus of claim 6, wherein the caching daemon
comprises:
a data cache adapted to store a subset of the information stored in the
directory server; and
wherein the caching daemon is further adapted to retrieve the requested
information from the data cache in response to determining that the
requested information is part of the subset of information stored
therein.

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9. (Original) The apparatus of claim 6, wherein the caching daemon is further adapted to retrieve the requested information from the directory server in response to determining that the requested information is not stored within the data cache.

10. (Original) The apparatus of claim 9, wherein the caching daemon is further adapted to store the requested information retrieved from the directory server in the data cache.

11. (Original) An apparatus for accessing a directory server, the apparatus comprising:

means for establishing a first plurality of simultaneously running connections between the directory server and a caching daemon;

means for determining if an application is requesting information from the directory server;

means for determining if the requested information is stored in the caching daemon in response to determining that the application has requested information; and

means for sending the requested information to the application.

12. (Original) The method of claim 11, wherein the means for determining if an application is requesting information from the directory server further comprises:

means for establishing a second connection between the application and the caching daemon; and

means for receiving a request for information from the application over the second connection at the caching daemon.

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13. (Original) The method of claim 11, further comprising:
means for retrieving the requested information from the caching daemon in response to determining that the caching daemon has the information stored therein.
14. (Original) The method of claim 11, further comprising:
means for retrieving the requested information from the directory server in response to determining that the caching daemon has not previously stored the information.
15. (Original) The method of claim 14, further comprising:
means for storing the information retrieved from the directory server at the caching daemon.
16. (Currently amended) A caching daemon, comprising:
a data cache adapted to store a subset of information from a directory server; and
a controller adapted to establish and maintain a first plurality of connections to the directory server, determine if an application is requesting information from the directory server, determining if the requested information is stored in the data cache, and send the requested information to the application.
17. (Original) The caching daemon of claim 16, wherein the controller is further adapted to establish a second connection to the application and receive a request for information from the application over the second connection.
18. (Original) The caching daemon of claim 16, wherein the controller is further adapted to retrieve the requested information from the data cache in response to determining that the data cache has the information stored therein.

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19. (Original) The caching daemon of claim 16, wherein the controller is further adapted to retrieve the requested information from the directory server in response to determining that the data cache does not have the information stored therein.

20. (Original) The caching daemon of claim 19, wherein the controller is further adapted to store the information retrieved from the directory server at the data cache.
